

Altaf Hussain

**Test Performed By:**

Dr. /Engr.

S. Asad Ali Gillani

M.E. A.S. Enterprises, Engineers & Contractor (PROJECT: STYLE TEXTILE RAIWAND ROAD)

**Client Reference:** USD/ASE/18

**Dated:** 18-12-2019

**SOM Lab Ref:** CED/SOM/1925(Page-1/1)

**Dated:** 19-12-2019

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** M S Deformed Bar(AFCE Steel)

**Gauge Length:** 200 mm

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.562	16	15.92	201	199	108.00	142.70	537	543	710	718	32.5	200	16.3	
2	1.560	16	15.91	201	199	108.00	143.00	537	544	711	720	32.5	200	16.3	
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**BEND TEST:**

16mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Shoukat Ali Rana  
Project Manager, Orbit Housing, Lahore

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Client Reference: Nil

SOM Lab

Ref: 1923(Page-1/1)

Dated: 19-12-2019

Dated: 19-12-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.555	8	0.978	0.79	0.751	28.13	37.00	78550	82620	103300	108670	1.30	8.0	16.3	
2	2.549	8	0.977	0.79	0.749	27.83	36.77	77690	81940	102650	108270	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

